Online Supplementary Material 1

Benthic macroinvertebrates of streams of different orders in the Chapada Diamantina National Park, Brazil. D = Dry season; R = Rainy season.

Macroinvertebrados bentônicos de riachos de diferentes ordens no Parque Nacional da Chapada Diamantina, Brasil. D = período seco; R = período chuvoso.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **TAXA** | **1st Order** | | **2nd Order** | | **3rd Order** | | **Total** |
|  | **D** | **R** | **D** | **R** | **D** | **R** | **D+R** |
| **INSECTA** |  |  |  |  |  |  |  |
| **Coleoptera** |  |  |  |  |  |  |  |
| **Dryopidae** | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| **Dytiscidae** | 1 | 2 | 5 | 4 | 6 | 13 | 31 |
| **Elmidae** | 14 | 20 | 70 | 87 | 93 | 20 | 304 |
| **Gyrinidae** | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| **Haliplidae** | 4 | 0 | 0 | 0 | 0 | 0 | 4 |
| **Hydrophilidae** | 1 | 1 | 5 | 1 | 18 | 6 | 32 |
| **Psephenidae** | 0 | 0 | 1 | 7 | 3 | 5 | 16 |
| **Staphylinidae** | 0 | 0 | 1 | 10 | 8 | 25 | 44 |
| **Diptera** |  |  |  |  |  |  |  |
| **Ceratopogonidae** | 64 | 13 | 58 | 34 | 42 | 34 | 245 |
| **Chironomidae** (Tanypodinae) | 213 | 48 | 152 | 441 | 120 | 63 | 1037 |
| **Chironomidae** (Others) | 789 | 340 | 1304 | 3600 | 233 | 401 | 6667 |
| **Empididae** | 4 | 14 | 34 | 134 | 1 | 4 | 191 |
| **Simuliidae** | 39 | 461 | 58 | 1589 | 2 | 40 | 2189 |
| **Tipulidae** | 10 | 15 | 34 | 54 | 9 | 5 | 127 |
| **Ephemeroptera** |  |  |  |  |  |  |  |
| **Baetidae** |  |  |  |  |  |  |  |
| *Camelobaetidius* | 0 | 1 | 2 | 2 | 0 | 16 | 21 |
| Not identified | 11 | 25 | 6 | 42 | 14 | 109 | 207 |
| **Caenidae** |  |  |  |  |  |  |  |
| *Brachycercus* | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| *Caenis* | 2 | 1 | 0 | 0 | 5 | 0 | 8 |
| **Ephemeridae** |  |  |  |  |  |  |  |
| *Hexagenia* | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| **Leptohyphidae** |  |  |  |  |  |  |  |
| *Traverhyphes* | 0 | 0 | 0 | 0 | 4 | 1 | 5 |
| *Tricorythodes* | 0 | 0 | 0 | 1 | 3 | 0 | 4 |
| Not identified | 0 | 0 | 1 | 0 | 22 | 7 | 30 |
| **Leptophlebiidae** |  |  |  |  |  |  |  |
| *Askola* | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| *Farrodes* | 0 | 0 | 0 | 1 | 7 | 5 | 13 |
| *Hagenulopsis* | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| *Microphlebia* | 3 | 2 | 0 | 3 | 0 | 0 | 8 |
| *Miroculis* | 0 | 1 | 0 | 0 | 0 | 2 | 3 |
| Not identified | 0 | 1 | 0 | 4 | 14 | 7 | 26 |
| **Hemiptera** |  |  |  |  |  |  |  |
| **Gerridae** | 1 | 3 | 0 | 0 | 0 | 2 | 6 |
| **Mesoveliidae** | 0 | 5 | 2 | 2 | 1 | 3 | 13 |
| **Naucoridae** | 9 | 17 | 45 | 74 | 18 | 7 | 170 |
| **Notonectidae** | 0 | 0 | 1 | 0 | 1 | 0 | 2 |
| **Veliidae** | 8 | 0 | 3 | 6 | 2 | 5 | 24 |
| **Lepidoptera** |  |  |  |  |  |  |  |
| **Crambidae** | 5 | 1 | 5 | 6 | 5 | 4 | 26 |
| **Megaloptera** |  |  |  |  |  |  |  |
| **Corydalidae** | 2 | 20 | 6 | 9 | 2 | 1 | 40 |
| **Odonata** |  |  |  |  |  |  |  |
| Anisoptera |  |  |  |  |  |  |  |
| **Calopterygidae** | 1 | 4 | 0 | 1 | 0 | 3 | 9 |
| **Coenagrionidae** | 12 | 12 | 6 | 21 | 6 | 8 | 65 |
| Zygoptera |  |  |  |  |  |  |  |
| **Gomphidae** | 0 | 3 | 5 | 5 | 2 | 6 | 21 |
| **Libellulidae** | 5 | 4 | 0 | 7 | 10 | 0 | 26 |
| **Plecoptera** |  |  |  |  |  |  |  |
| **Perlidae** |  |  |  |  |  |  |  |
| *Anacroneuria* | 2 | 2 | 9 | 1 | 6 | 1 | 21 |
| Not identified | 1 | 0 | 2 | 1 | 1 | 0 | 5 |
| **Trichoptera** |  |  |  |  |  |  |  |
| **Helicopsychidae** |  |  |  |  |  |  |  |
| *Helicopsyche* | 0 | 3 | 0 | 2 | 1 | 0 | 6 |
| **Hydrobiosidae** |  |  |  |  |  |  |  |
| *Atopsyche* | 0 | 0 | 3 | 1 | 0 | 1 | 5 |
| **Hydropsychidae** |  |  |  |  |  |  |  |
| *Leptonema* | 0 | 3 | 0 | 1 | 0 | 0 | 4 |
| *Smicridea* | 123 | 135 | 49 | 80 | 19 | 56 | 462 |
| Not identified | 4 | 11 | 3 | 0 | 0 | 7 | 25 |
| **Hydroptilidae** |  |  |  |  |  |  |  |
| *Oxyethira* | 13 | 4 | 0 | 0 | 1 | 0 | 18 |
| Not identified | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| **Odontoceridae** |  |  |  |  |  |  |  |
| *Marilia* | 3 | 5 | 3 | 8 | 0 | 0 | 19 |
| Not identified | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| **Philopotamidae** |  |  |  |  |  |  |  |
| *Chimarra* | 91 | 188 | 28 | 140 | 0 | 4 | 451 |
| Not identified | 4 | 0 | 4 | 2 | 0 | 0 | 10 |
| **Polycentropodidae** |  |  |  |  |  |  |  |
| *Cyrnellus* | 0 | 0 | 2 | 0 | 0 | 2 | 4 |
| *Polycentropus* | 2 | 0 | 11 | 0 | 0 | 14 | 27 |
| *Polyplectropus* | 1 | 6 | 1 | 3 | 0 | 1 | 12 |
| Not identified | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| **ANNELIDA** |  |  |  |  |  |  |  |
| Oligochaeta | 9 | 15 | 3 | 9 | 2 | 4 | 42 |
| Hirudinea | 3 | 3 | 0 | 0 | 3 | 0 | 9 |
| **MOLLUSCA** |  |  |  |  |  |  |  |
| **Hydrobiidae** | 0 | 0 | 0 | 0 | 8 | 36 | 44 |
| **Planorbidae** | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| **Physidae** | 0 | 0 | 0 | 0 | 3 | 0 | 3 |
| **Thiaridae** | 0 | 0 | 0 | 0 | 16 | 6 | 22 |
| **Total species** | 34 | 36 | 35 | 38 | 42 | 39 | 62 |
| **Total individuals** | 1,456 | 1,390 | 1,923 | 6,394 | 722 | 937 | 12,822 |